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AEC Tr-2232

MOE 5-119

Sci - Minerals/Metals
Chemistry

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Navy Tr 3460/AFL 645

Sci - Chem
Aug 63

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Ex 25,977 Brutcher Tr 3557 $2.45

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Scientific - Min/Metals

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Sci

Jun 58

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Solving a Linearized Axially-
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Kleinberg, A. V. and Terenin, A. N.
DISSIPATION OF VIBRATION QUANTA AND QUENCHING OF NITRIC OXIDE FLUORESCENCE (Rassianie Kolebatel'nykh kvantov i Tushenie Fluorestsentsii No). [1961] [5]p. 12 refs.
Order from OTS or SLA $1.10 61-28226

Trans. of Akademiya Nauk SSSR. Doklady, 1955, v. 101, no. 6, p. 1031-1034.
Another trans. is available from ATS $8.00 as ATS-86N53R [1961] 5p.

Portions of this report will not reproduce well.

DESCRIPTORS: *Nitrogen compounds, *Oxides, *Fluorescence, Intensity, Photometers, Cases, Pressure, Electric discharges, Dissociation, Vibration, Photochemical reactions, Molecules, Excitation.

(Chemistry--Physical, TT, v. 7, no. 10)

61-28226

I. Kleinberg, A. V.
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ATS/A T- 1051

Office of Technical Services

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ATIC F-TS-9631/V

OTS 59-1[illegible]

Sci - Astron
Mar 59

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DESCRIPTORS: *Vibration, Scattering, *Nitrogen compounds, *Oxides, *Fluorescence.

(Chemistry--Physical, TT, v. 7, no. 2)

61-25460

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II. Terenin, A. N.
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Gusakova, G.S. and Preobrazhenskii, N.A.
RECHERCHES DE SYNTHÈSE DANS LE DOMAINE DE L'ALCALOÏDE YOHIMBINE (Sinteticheskie Issledovaniya v Oblasti Alkaloida Iokhimbina) (Synthetic Studies in the Field of Yohimbine Alkaloids). 10p. (foreign text included). 4refs. CNRS-VIII bis 301.
Order from OTS, ETC or CNRS $0.80 TT-62-28154

Trans. in French of Akademiya Nauk SSSR, Doklady, 1955, v.101, no.6, p.1061-1063.

DESCRIPTORS: *Alkaloids, Synthesis (Chemistry), Molecular structure.

(Biological Sciences--Pharmacology, TT, v. 11, no. 6)

TT-62-28154

I. Gusakova, G.S.
II. Preobrazhenskii, N.A.
III. CNRS-VIII bis 301
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Office of Technical Services
European Translations Centre

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SLA K 1608

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Sci - Physics
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Sci - ~~Phys~~ Astronomy; Geophysics 39,294
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Morris D. Friedman
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Complicated Structure of Basic Absorption of a Cadmium Sulfite Crystal, by M. A. Yakobson, Ye. F. Gross, 11 pp.

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Investigation of the (γp) Reaction in Nickel, by E. M. Leikin, R. M. Osokina, and B. S. Ratner, 2 pp.

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SLA 61-1506

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Calculation of the Higher Order Scattering of Light, by E. V. Pyaskovskaya-Fesenkova, 7 pp.

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Scientific - Physics Apr 56 CTS/DEK

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A New Method of Direct Structure Analysis of Crystals, by A. I. Kitaygorodskiy, 3 pp.

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Synthesis of Bisbenzyltetrahydroisoquinoline Ethers, by L. V. Volkova.

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Nesmeyanov, A. N., Perevalova, E. G. and others.
ARYLFERROCENES AND FERROCENYLAMINE.
[1961] 8p. 4 refs.
Order from OTS or SLA $1.10 (#10.00) 61-20228 K-H-70825 (10rr)

Trans. of Akademiya Nauk SSSR. Doklady, 1955.
v. 102, no. 3, p. 535-538.

DESCRIPTORS: *Ferrocenes, *Nitrophenols, Phenols, *Amines, *Anilines, Isomers, Chemical reactions, Synthesis.

Experiments are described in which m-nitrophenylferrocene and p-ferrocenylphenol were obtained with diazo compounds and in which m-nitrophenylphenylferrocene and the previously described p-isomer (Akad. Nauk SSSR. Doklady 97: 459-461, 1954; available in translation from LC or SLA as 59-10645) were used for preparing m- and p-ferrocenylanilines. (Chemistry--Organic, TT, v. 6, no. 11)

61-20228

I. Nesmeyanov, A. N.
II. Perevalova, E. G.

TT-64-31121

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Chemiluminescent Quantitative Analysis, by A. A. Ponimarenko, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955, pp 539-542.

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On the Mechanism of the Electropolishing of Zinc, by A. T. Vagramyan, A. P. Popkov, 8 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol CII, No 3, 1955, pp 547-549.

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The Effect of Inhibitors on the Auto-Oxidation of Petroleum Hydrocarbons, by K. I. Ivanov, E. D. Vilyanskaya

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Manykyan, L. E.
EXCHANGE OF PHOSPHORUS OF NUCLEIC ACIDS AND PHOSPHOLIPIDES IN THE BRAIN OF RABBITS DURING ONTOGENESIS. [1962] [11]p. 6 refs.
Order from OTS or SLA $1.60 62-14706

Trans. of Akad[emiya] Nauk SSSR. Doklady [1955] v. 102 [no. 3] p. 567-570.

DESCRIPTORS: *Nucleic acids, *Phospholipids, Phosphorus, Labeled substances, *Brain, Cerebral cortex, Growth, Embryos, Rabbits.

The relative rate of exchange of the nucleic acids and the phospholipid contents in various parts of the brain and in the spinal cord was determined at several stages of the embryonic and post-embryonic development of rabbits. This was done with the aid of subcutaneous injections of radiophosphorus. No constant ratio was found between the shift of nucleic acid content during
(Biological Sciences--Physiology, TT, v. 8, no. 7)
(over)

62-14706

1. Title: Ontogenesis
I. Manykyan, K. E.

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Dehydrogenases of Apple Tissues, by B. A. Rubin, E. G. Sal'kova.

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*PL-480
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Fission of Uranium Nuclei by Protons With an Energy of 460 MEV, by N. S. Ivanov, N. A. Perilov, V. P. Shamov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955, pp 573-576.

AEC Tr 2307 29,193

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Protein Synthesis in Isolated Chloroplasts, by N. M. Sisakyan, I. I. Filippovich, 6 pp.

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Kinetics of Distribution of Sulfur Between Liquid Iron and Slag, by O. A. Esin, V. N. Shikhov.

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Chemistry May 56 CTS/DEK

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The Mesozoic Age of Alaskite Granites of the Kuraminsk Range (Central Asia), by I. E. Smorchkov, et al.

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New Genus of the Family Archaediscidae E. Tchern, by I. N. Orlova.

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The Germinative Energy and Capacity of Seeds of Quercus Rubra and Juglans Regia as Related to Their Position in the Soil, by G. Kh. Kolotkovskii. RUSSIAN, par, Moskva, Doklady, Akademii Nauk SSSR, Vol 102, No 3, 1955, pp 637-639.
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Application of Mass Spectrometers With Inhomogeneous Magnetic Field for Determining Atomic Masses, by A. V. Dubrovin, G. V. Balabina, 8 pp.

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Elastic and Electrical Phenomena in Nerve in the Propagation of Excitation, by L. P. Kayushin, R. G. Lyudkovskaya, 5 pp.

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On the Question of the Ionic and Homopolar Bonds in Semiconductors, by I. M. Tsidil'kovskiy, 7 pp.

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The Positions of Copper and Magnesium Atoms in the Structure of CuMgSn, by E. I. Gladyshevskiy, P. I. Kripyakevich, 7 pp.

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Photochemical Study in Iron Pheophorbid, by
M. S. Ashkinazi, I. P. Gerasimova, B. Y. Dain,
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SLA R-1328

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Gehlenite and Its Part in the Hardening of High-Alumina Cement, by P. P. Budnikov, A. F. Cherkasova, 5 pp.

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Energy Equations for the Motion of Liquids Containing Suspended Solids, by F. I. Frankl',

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On the Isotopes of Meteoritic Argon, by A. V. Trofimov, K. G. Rik.

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AEC Tr 2571
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Sci - Physics
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Ammonia (3.3) Absorption Line as Frequency Meter Standard With 10^{-6} Accuracy in the 5-20 mc Band, by B. D. Osipov, A. M. Prokhorov, 3 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk, USSR, Vol CII, No 5, 1955, pp 933-934.

3-A 61-11491

Morris D. Friedman

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(FDD 27973)

Ultrameter With Mechanical Light Modulation and Some Data on the Relaxation of Luminescence in the Region of the "White Spot," by N. A. Tolstoy, 8 pp.

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Catalytic Activity of Silicon Dioxide in Synthesis Based on Carbon Monoxide and Hydrogen, by A. M. Bashkirov, S. M. Loktev

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Assoc Tech Sv
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Sci - Chemistry 36,996

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The Effect of the Pressure of Hydrogen Upon the Rate and Direction of Homogenous Destructive Hydrogenation of Alkyl Benzenes, by M. G. Gonikberg, V. E. Nikitenkov 7 pp.

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Dependency Between Structure and Antimicrobic Activity of Chloromycetin (Levomycetin) and the Mechanism of Its Effect, by M. M. Shemyakin, M. N. Kolosov, M. M. Levitov, K. I. Germanova, M. G. Karapetyan, Yu. B. Shvetsov, E. M. Bamdas, 10 pp.

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Aug 1956

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Intrinsic Conductivity of Chromium Sulphides, by
E. P. Greshdenkina, I. G. Fakidov. UNCLASSIFIED

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An Investigation of the Diffusion of Iron in Iron-Nickel Alloys, by M. B. Hyman, A. Ya. Smirnyayev, 5 pp.

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Electrochemical and Catalytic Properties of Platinum-Palladium Alloys, by B. V. Sokol'skii, G. K. Omelova.

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Organic Acids in Cotton Leaves, by S. M. Prokoshev, V. Z. Baranova, A. I. Mednikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CII, 1955, pp 985-988.

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